

October 2005

PROFILE:

| | |
|----------------------|---|
| Area farmed (acres) | 1,000 broadacre application |
| Trimble systems used | AgGPS® EZ-Guide® Plus lightbar guidance and AgGPS EZ-Steer™ assisted steering systems |
| System cost | \$6,560 |
| Payback | 12.2 months |



GENERAL FARM COSTS:

| FARM COST ASSUMPTIONS | NO GPS |
|--|--------|
| Seed cost per acre per single application (\$/acre) | \$20 |
| Average chemical cost per application including application cost (\$/acre) | \$15 |
| Average fertilizer cost per application including application cost (\$/acre) | \$27 |
| Fuel cost (\$/gallon) | \$1.80 |
| Labor rate (\$/hour) | \$7.50 |

TOTAL COSTS AND SAVINGS:

| COSTS | NO GPS | EZ-GUIDE PLUS & EZ-STEER | SAVINGS |
|---------------------|-------------|--------------------------|------------|
| Labor | \$1,876.45 | \$1,177.49 | \$698.95 |
| Input | \$77,000.00 | \$75,293.33 | \$1,706.66 |
| Fuel used (gallons) | 2,251.74 | 1,630.38 | 621.36 |
| Fuel cost | \$4,053.14 | \$2,934.68 | \$1,118.45 |

BROADACRE AVERAGES:

| INPUTS | NO GPS | EZ-GUIDE PLUS & EZ-STEER | EFFICIENCY INCREASE |
|---------------------------------|--------|--------------------------|---------------------|
| Fuel use rate (gallon/hour) | 9 | 9 | |
| Implement width (feet) | 40 | 40 | |
| Overlap (inches) | 18 | 7 | 2.3% |
| Speed (mph) | 8 | 10 | 25% |
| Labor productivity (acres/hour) | 40 | 53 | 32.5% |

ASSUMPTIONS: Averages consist of tillage and field preparation, planting, spraying, fertilization, and harvesting.

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PROFILE:

| | |
|----------------------|---|
| Area farmed (acres) | 1,000 broadacre application |
| Trimble systems used | AgGPS® EZ-Steer™ assisted steering system |
| System cost | \$3,495 |
| Payback | 4.6 months |



GENERAL FARM COSTS:

| FARM COST ASSUMPTIONS | NO GPS |
|--|--------|
| Seed cost per acre per single application (\$/acre) | \$20 |
| Average chemical cost per application including application cost (\$/acre) | \$15 |
| Average fertilizer cost per application including application cost (\$/acre) | \$27 |
| Fuel cost (\$/gallon) | \$1.80 |
| Labor rate (\$/hour) | \$7.50 |

TOTAL COSTS AND SAVINGS:

| COSTS | NO GPS | EZ-GUIDE PLUS & EZ-STEER | SAVINGS |
|---------------------|-------------|--------------------------|------------|
| Labor | \$1,876.45 | \$1,177.49 | \$698.95 |
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| Fuel used (gallons) | 2,251.74 | 1,630.38 | 621.36 |
| Fuel cost | \$4,053.14 | \$2,934.68 | \$1,118.45 |

BROADACRE AVERAGES:

| INPUTS | NO GPS | EZ-GUIDE PLUS & EZ-STEER | EFFICIENCY INCREASE |
|---------------------------------|--------|--------------------------|---------------------|
| Fuel use rate (gallon/hour) | 9 | 9 | |
| Implement width (feet) | 40 | 40 | |
| Overlap (inches) | 18 | 7 | 3% |
| Speed (mph) | 7 | 9 | 32% |
| Labor productivity (acres/hour) | 35 | 47 | 36% |

ASSUMPTIONS: Averages consist of tillage and field preparation, planting, spraying, fertilization, and harvesting. Assumes upgrading AgGPS EZ-Guide Plus lightbar to AgGPS EZ-Steer system.